



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/858,268	05/15/2001	Donald J. Ethen	RA-5388	2684
7590	01/06/2004			
Charles A. Johnson Unisys Corporation M.S. 4773 P.O. Box 64942 St. Paul, MN 55164-0942			EXAMINER HOMERE, JEAN RAYMOND	
			ART UNIT 2177	PAPER NUMBER 2
DATE MAILED: 01/06/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/858,268

Applicant(s)

ETHEN ET AL.

Examiner

Jean R. Homere

Art Unit

2177

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

1) Responsive to communication(s) filed on 15 May 2001.  
     2b) This action is non-final.  
 2a) This action is FINAL.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

4) Claim(s) 1-12 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-12 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 15 May 2001 is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

Priority under 35 U.S.C. §§ 119(a)-(d) or (f).

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) All   b) Some \* c) None of:  
         1. Certified copies of the priority documents have been received.  
         2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
         3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
     a) The translation of the foreign language provisional application has been received.  
 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.

4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Specification***

1. The computer program listing provided in the appendix exceeds the maximum number of lines allowed under 37 CFR 1.96(c). Therefore, the appendix will not be printed upon allowance of the present application.

### ***Drawings***

2. This application lacks formal drawings. The informal drawings filed in this application are acceptable for examination purposes. When the application is allowed, applicant will be required to submit new formal drawings.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Walster et al. (Walster), US Patent No. 5,794,239.

As to claim 1, Walster discloses a method and an apparatus for message matching using pattern decisions in a message matching and automatic response system (col. 1, lines 1-4 et seq.) In particular, Walster discloses a computing arrangement coupled to a message processor (fig.2,

item 12). Walster also teaches the creation of a pattern database (fig.2, items 42, 44) that includes a plurality of pattern definitions (fig. 2, item 52) and response definitions (fig.2, item 54), wherein each pattern definition is associated with a response definition including commands and instructions for queuing (saving) said commands to a storage medium (fig. 2, item 56 et seq.) Walster further teaches the receipt of message character strings (fig. 2, item 14) at a message processor (fig.2, item 50). In addition, Walster teaches the searching of the pattern database for pattern definitions that match the message character strings (fig. 33A, item 340 et seq.) Upon a match between the pattern definitions the messages, Walster teaches that commands are added to the storage medium, wherein said commands are subsequently retrieved from said medium and forwarded to the computing arrangement (col. 6, lines 15-25 et seq.)

As to claim 2, Walster teaches a pattern definition that matches a command prompt message and retrieving a command to be forwarded to the host computer (fig. 1; col. 6, lines 15-25 et seq.)

As to claim 3, Walster teaches a host computer coupled to a storage medium (fig. 1, item 10) and an operations processor coupled to the host and the data storage system (fig. 1, item 12), and a plurality of pattern definitions matching a plurality of selected messages having associated responses that are commands required for high level operation (col. 3, lines 45-55 et seq.)

Application/Control Number: 09/858,268

Art Unit: 2177

As to claim 4, Walster teaches a plurality of command queue data structures defined in a pattern database wherein each queue has a priority level relative to other commands (col. 15, lines 12-28 et seq.) Walster also teaches adding responses to selected commands to the storage medium, as well as de-queuing said responses from the command queues to be forwarded to the host processor based the priority according to which they were stored (col. 15, lines 36-46 et seq.)

As to claim 5, Walster teaches a pattern definition that matches a command prompt message and retrieving a command to be forwarded to the host computer (fig. 1; col. 6, lines 15-25 et seq.)

As to claim 6, Walster teaches a host computer coupled to a storage medium (fig. 1, item 10) and an operations processor coupled to the host and the data storage system (fig. 1, item 12), and a plurality of pattern definitions matching a plurality of selected messages having associated responses that are commands required for high level operation (col. 3, lines 45-55 et seq.)

As to claim 7, Walster teaches a terminal emulation session between the operations processor and the data storage system (fig. 1), for transmitting commands from the data storage system to the operation processor (fig. 1, item 14) and back to the data processor (fig. 1, item 16).

Application/Control Number: 09/858,268

Art Unit: 2177

As to claim 8, Walster teaches defining command queues as a character strings and adding character strings representing the commands and delimiting the character strings with a selected character (col. 15, line 47- col. 16, line 18 et seq.)

5. The limitations of claims 9-16 have already been addressed in the discussion of claims 1-7 above. They are therefore rejected for the same reasons.

*Conclusion*

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean R. Homere whose telephone number is (703)-308-6647. The examiner can normally be reached on Monday-Friday from 09:30 a.m.-6:00 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene, can be reached on Monday-Friday from 8:00 a.m. to 3:30 p.m. at (703)-305-9790.  
**Any response to this action should be mailed to:** Commissioner of Patents and Trademarks Washington, D.C. 20231, **or faxed to:** (703) 872-9306. Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Application/Control Number: 09/858,268

Art Unit: 2177

Any inquiry of a general nature or relating to the status of this application should be directed to  
the Group receptionist whose telephone number is (703) 305-3900.

  
Jean R. Homere  
Primary Examiner, A.U. 2177  
December 30, 2003